

KAZIMOUROVA, Vera, MUDr.

Correspondence course for organizers. Cesk. zdravot. 4 no.6:  
340-342 June 56.

1. Vedouci zdravotnického odboru rady ONV Praha 3.  
(PUBLIC HEALTH, education,  
in Czech., correspondence courses for pub. health  
organizers (Cz))

KAZIMOUROVA, Vera

Register of pediatric departments in the Czechoslovakain SSR.  
Cesk. pediat. 19 no.7:661-668 J1 '64

KAZIMOV, D.D.

FILIPPOV, S.P., inzhener; KAZIMOV, A.A., inzhener.

Communications bay for tandem stations. Avtom., telem. i sviaz'  
no.3:22-24 Mr '57. (MLRA 10:4)

(Telecommunication--Apparatus and supplies)  
(Railroads--Communication systems)

KAZIMOV, A.A.; FILIPOV, S.P., konstruktor

Voice answering device. Avtom., telem.i sviaz' 3 no.7:  
8-10 J1 '59. (MIRA 12:12)

1. Vedushchiy konstruktor otдела provednoy zheleznodorozhnoy  
svyazi Konstruktorskogo byuro Tsentral'nogo upravleniya  
signalizatsii i svyazi Ministerstva putey soobshcheniya (for  
Kazimov).

(Telephone)

MOLCHANOVSKIY, V.L.; KAZIMOV, A.A.

DTN stand with a checking and testing device. Avtom., telem. i  
svyaz' 5 no.3:32-34 Mr '61. (MIRA 14:9)

1. Nachal'nik avtomaticheskoy telefonnoy svyazi Tsentral'noy  
stantsii svyazi Ministerstva putey soobshcheniya (for Molchan-  
ovskiy). 2. Vedushchiy konstruktor Konstruktorskogo byuro  
Glavnogo upravleniya signalizatsii i svyazi (for Kazimov).  
(Railroads--Communication systems)

KAZIMOV, A.A.

Multiplexing of railroad communication lines using high-frequency channels. Avtom., ~~telem.~~ i svyaz' 6 no.2:7-9 F '62.

(MIRA 15:3)

1. Vedushchiy konstruktor Konstruktorskogo byuro Glavnogo upravleniya signalizatsii i svyazi Ministerstva putey soobshcheniya.  
(Railroads--Communication systems)

PETROV, A.P., doktor tekhn. nauk, prof.; TULUPOV, L.P., kand. tekhn. nauk; KRYUKOV, N.D., kand. tekhn. nauk; GUNDOBIN, V.N., inzh.; VASIL'YEV, G.S., kand. tekhn. nauk; GRISHIN, M.S., kand. tekhn. nauk; MOROZOVA, K.N., inzh.; ROZE, V.A., inzh.; LEVSHIN, G.L., inzh.; BERNGARD, K.A., doktor tekhn. nauk, prof.; BIKCHENTAY, M.A., inzh.; BUYANOV, V.A., inzh.; ILOVAYSKIY, N.D., inzh.; MUKHAMEDOV, G.A., kand. tekhn. nauk; MIRSHNICHENKO, A.P., inzh.; ANDRIANOV, V.P., inzh.; BUTS, V.D., inzh.; KAZIMOV, A.A., inzh.; KIREYEV, O.P., inzh.; DYUFUR, S.L., kand. tekhn. nauk; USTINSKIY, A.A., kand. tekhn. nauk; MIKHAYLOV, S.M., inzh.; NESTEROV, Ye.P., kand. tekhn. nauk, retsenzent; LIVSHITS, V.N., inzh., retsenzent; PREDE, V.Yu., inzh., red.; VOROTNIKOVA, L.F., tekhn. red.

[Control of transportation processes using electronic digital computers] Upravlenie perevoznym protsessom s primeneniem elektronnykh tsifrovyykh vychislitel'nykh mashin. Pod obshchei red. A.P.Petrova. Moskva, Transzheldorizdat, 1963. 207 p. (MIRA 16:8)

1. Chlen-korrespondent AN SSSR (for Petrov).  
(Railroads--Management) (Electronic digital computers)

PARFENOV, S.N.; KAZIMOV, A.L.

KASS-19e railroad station communication apparatus. Avtom.,  
telem. i sviaz' 4 no.1:22-24 Ja '60. (MIRA 13:4)

1. Vedushchiye konstruktory Konstruktorskogo byuro Glavnogo  
upravleniya signalizatsii i svyazi.  
(Railroads--Communication systems)



ABASOV, Mitat Teymur ogly; DZHALILOV, Kurban Nizameddin ogly; AZIZOVA, F.M.;  
ALIYEV, Z.S.; BABANLY, V.Yu.; GULAMOV, Kh.A.; IBRAGIMOV, M.R.; KAZI-  
MOV, A.Sh.; KULIYEV, A.M.; SEMENOVA, I.I.; ROZENBERG, M.D., prof.,  
doktor tekhn. nauk, red.; AL'TMAN, T.B., red. izd-va

[Problems of underground hydrodynamics and development of oil and  
gas fields] Voprosy podzemnoi gidrodinamiki i razrabotki neftiannykh  
i gazovykh mestorozhdenii. Baku, Azerbaidzhanskoe gos. izd-vo neft.  
i nauchno-tekhn. lit-ry, 1960. 254 p. (MIRA 14:11)

1. Neftyanaya ekspeditsiya AN Azerbaydzhana (for Azizova, Aliyev,  
Babanly, Gulamov, Ibragimov, Kazimov, Kuliyeu, Semenova).  
(Oil reservoir engineering)

KHODZHAKULIYEV, G., dotsent; ~~KAZIMOV, G.~~, dotsent

Twelfth All-Union Conference of Theraputists. Zdrav.Turk, 5 no.2:  
46-47 Mr-Apr '61. (MIRA 14:5)  
(THERAPEUTICS—CONGRESSES)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000721410007-9"

USSR / Human and Animal Morphology, Normal and Pathological. S-3  
Blood and the Hematopoietic System.

Abs Jour : Ref Zhur - Biol., No 18, 1958, No 83684  
Author : ~~Kazimov, G. A.~~  
Inst : Turkmen State Institute.  
Title : Concerning Variation in Diameter of Erythrocytes in Malaria  
Orig Pub : Tr. Turkmen. gos. in-ta, 1955, 5-6, 176-181.  
Abstract : No abstract given.

KAZIMOV, G.A., kand.med.nauk

Concerning gastralgic forms of myocardial infarct. Zdrav.  
Turk. 2 no.1:21-23 Ja-F '58. (MIRA 12:6)

1. Iz kafedry gosital'noy terapii (zav. - G.K.Khodzhakuliyev)  
Turkmenского gosudarstvennogo meditsinskogo instituta im. I.V.  
Stalina.

(HEART--INFARCTION)

KAZIMOV, G.A.; SADYKOV, B.S.

Clinical aspect of myocardiac infarction under the influence  
of the hot Ashkhabad climate. Zdrav.Turk. 2 no.6:11-14 N-D  
'58. (MIRA 16:3)

1. Iz kafedry gosital'noy terapii (zav. - dotsent G.K. Khodsha-  
kuliyeu) Turkmenskogo gosudarstvennogo meditsinskogo instituta  
imeni I.V. Stalina.

(ASHKHABAD--HEART--INFARCTION)

~~KADIMOV, G.K.~~, Kand.med.nauk

Treatment of anemia with Vitamin B<sub>12</sub>. Zdrav.Turk. 3 no.2:  
32-34 Mr-Apr '59. (MIRA 12:8)

1. Iz gospi'tal'noy terapevticheskoy kliniki (zav. - dots.  
G.K.Khodzhakuliyev) Turkmen'skogo gosudarstvennogo meditsin-  
skogo instituta im. I.V.Stalina.  
(ANEMIA) (CYANOCOBALAMINE)

BERDYKLYCHEV, M.G.; KAZIMOV, G.A.

Some data on the treatment of nephritis in Bayram-Ali Sanatorium;  
history of the disease over a 10 year period. Zdrav. Turk. 5 no.3:  
31-35 My-Je '61. (MIRA 14:10)

1. Iz fakul'tetskoy (zav. - dotsent Ye. A.Pletnev) i gospi'tal'noy  
(zav. - dotsent G.K.Khodzhakuliyev) terapevticheskikh klinik  
Turkmenskogo gosudarstvennogo meditsinskogo instituta imeni  
Stalina.

(BAYRAM-ALI--KIDNEYS--DISEASES)

KHODZHAKULIYEV, G.K., dotsent; KAZIMOV, G.A., dotsent

Some problems in teaching hospital therapy. Terap.arkh. no.7:102-  
103 JI '62. (MIRA 15:8)

1. Iz kafedry gosptal'noy terapii Turkmenskogo meditsinskogo insti-  
tuta (Ashkhabad).  
(MEDICINE—STUDY AND TEACHING)

KAZIMOV, G.A.; OSIPYAN, Kh.O.

Malignant mezothelioma of the pleura. Zdrav.Turk. 6 no.2:34-36  
Mr-Apr '62. (MIRA 15:11)

1. Iz kafedry gosital'noy terapii (zav. - dotsent G.K.Khodzha-  
kuliyeu) Turkmenskogo gosudarstvennogo meditsinskogo instituta i  
I gorodskoy klinicheskoy bol'nitsy (glavnyy vrach - G.V.Bondar').  
(PLEURA--CANCER)



KAZIMOV, G.A., dotsent

Use of anticoagulants in the treatment of coronary circulation disorders. Zdrav.Turk. 7 no.2:6-10 F '63. (MIRA 16:4)

1. Iz kafedry gosital'noy terapii (zav. - dotsent G.K. Khodzhaaliyev) i terapii fakul'teta usovershenstvovaniya vrachei (ispolnyayushchiy obyazannosti zaveduyushchego - dotsent G.A.Kazimov) Turkmenskogo gosudarstvennogo meditsinskogo instituta.

(CORONARY VESSELS--DISEASES) (ANTICOAGULANTS (MEDICINE))

BERDYKLYCHEV, M.G.; KAZIMOV, G.A.

Treatment of kidney diseases in Bayram-Ali. Vop. kur., fizioter.  
i lech. fiz. kul't. 30 no.1:71-74 Ja-F '65.

(MIRA 18:8)  
1. Fakul'tetskaya (zav.- dotsent Ye.A. Pletnev) i gospi'tal'naya  
(zav.- dotsent G.K. Khodzhakuliyev) terapevticheskiye kliniki  
Turkmenskogo meditsinskogo instituta, Ashkhabad.

KAZIMOV

BC

**Rate of Formation of schoenite from its components.** V. I. Nikolov and V. Z. Katsyub (Czechoslovak Acad. Sci. U.R.S.S., 1948, 81, 441-444).—Slow evaporation of saturated solutions containing equimol proportions of  $\text{H}_2\text{SO}_4$  and  $\text{MgCl}_2$  at 28° over periods (i) up to 308 days gave crystals of  $\text{KCl}$ ,  $\text{K}_2\text{SO}_4$ , and  $\text{MgSO}_4 \cdot 7\text{H}_2\text{O}$ . The amount of  $\text{K}_2\text{SO}_4$ ,  $\text{MgSO}_4 \cdot 7\text{H}_2\text{O}$  (schoenite) formed increased slowly with time, the % in the deposit being  $\sim 10^{14}$  (i measured in days). The rate of formation was unaffected by interrupting the evaporation.

A S M - S L A METALLURGICAL LITERATURE CLASSIFICATION

KAZIMOVA, K.H.

External secretary function of the ... in ...  
Trudy Inst. krasn. ekip. red. ... 1963.

(BIBL 12:6)

RAKHIMOV, N.R.; FINKEL', A.A.; KAZIMOVA, K.N.

Enterokinase in the duodenal contents in patients with  
chronic colitis. Trudy Inst. kraev. eksper. med. no.5:74-80  
'63. (MIRA 17:6)

KAZIMOVA, K.N.

Endocrine function of the pancreas in chronic colitis. Vop.biol.  
i kraev.med. no.3:212-215 '62. (MIRA 16:3)  
(PANCREAS--SECRETION) (COLITIS)

ALIYEV, G.K.; GADZHIYEV, A.A.; LOGINOV, A.A.; ATLAS, V.V.; KAZIMOVA, M.N.;  
KASUMZADE, Z.N.

Effect of potentiated local anesthesia, using ganglion-blocking  
drugs and intramuscular hexenal injections, and the total protein  
content and the ratios of protein fractions in blood serum in certain  
surgical interventions. Azerb. med. zhur. no. 7:9-16 J1 '61.

(MIRA 15:1)

1. Iz khirurgicheskoy kafedry (zav. - zasluzhennyy deyatel' nauki  
prof. G.K.Aliyev) Azerbaydzhanskogo instituta usovershenstvovaniya  
vrachey (direktor - prof. A.M.Aliyev).

(AUTONOMOUS DRUGS)

(HEXOBARBITAL)

(BLOOD PROTEINS)

KRUPIN, G.V.; BELYAYEV, I.T.; LAPSHIN, A.A.; GORDEYEV, N.I.; MAR'YANOV-  
SKIY, I.M.; PAVLOV, B.V.; ZHILOV, S.N.; TSYPKIN, S.I.;  
ANDREYEV, N.N.; KAZIMIROVA, V.P.; KURANOVA, I.L.; PIGULEVSKIY,  
G.V.

Annotations of the scientific research work performed at the  
institute in 1957. Trudy ITIKHP 15:213-227 '58.

(MIRA 13:4)

1. Leningradskiy tekhnologicheskii institut kholodil'noy pro-  
myshlennosti. 2. Kafedra tekhnologicheskogo oborudovaniya  
pishchevykh proizvodstv (for Krupin, Lapshin, Pavlov). 3. Ka-  
fedra ekonomiki i organizatsii proizvodstva (for Belyayev).  
4. Kafedra detaley mashin i pod'yemno-transportnykh mashin (for  
Gordeyev). 5. Kafedra grafiki (for Mar'yanovskiy). 6. Kafedra  
promyshlannoy teplotekhniki (for Zhilov). 7. Kafedra fiziki  
(for TSypkin). 8. Kafedra fizicheskoy kolloidnoy i organiche-  
skoy khimii (for Andreyev, Kazimirova, Kuranova, Pigulevskiy).  
(Refrigeration and refrigerating machinery)  
(Chemistry, Technical)



KAZIM-ZADE, M.S.

Investigating properties of a diaphragm-type electrokinetic converter. Izv.vys.ucheb.zav.; prib. 5 no.3:43-52 '62.

(MIRA 15:8)

1. Azerbaydzhanskiy institut nefi i khimii imeni M.Azizbekova.  
Rekomendovana kafedroy elektricheskikh izmereniy i vychislitel'noy tekhniki.

(Converters)

KAZIN, A. D.

"Surface Coating of Equipment and Metal Constructions in Chemical Plants" (Okraska Oborudovaniya i Metallokonstruktsiy na Khimicheskikh Zavodakh), A. D. Kazin and N. V. Korzin, edited by N. S. Zevin, Goskhimizdat, Moscow/Leningrad, 1949, 64 pages 3 rubles.

Material is based on research of the laboratories of the Lakokraspokrytiy Trust.

SO: Uspekhi Khimii, Vol 18, #6, 1949; Vol 19, #1, 1950 (W-10083)

KAZIN, A.D.

Exchange of experience. Lakokras.mat. 1 ikh prim. no.1:79 '60.  
(MIRA 14:4)

(Protective coatings)

(Painting, Industrial)

KAZIN, A.D.

Socialist obligations of the All-Union Productive Office  
"Lakokraspokrytie" and of the Scientific Research Institute  
of the Technology of Protective Coatings at the eve of the  
22d Congress of the CPSU. Lakokras. mat. 1 ikh prim. no.3:1-2  
'61. (MIRA 14:6)

(Protective coatings)  
(Painting, Industrial)

LEBIT, I.P.; KAZIN, A.D.

Answering questions on the application of paint materials.  
Lakokras.mat. i ikh prim. no.2:72-73 '64. (MIRA 17:4)

L 1598-66

UR/0219/64/058/009/0066/0069

ACCESSION NR: AP5024773

AUTHOR: Kazin, E. M.

TITLE: Effect of adrenal glands on alteration of potassium metabolism during restoration of vital functions after clinical death

SOURCE: Byulleten' eksperimental'noy biologii i meditsiny, v. 58, no. 9, 1964, 66-69

TOPIC TAGS: medical experiment, experiment animal, autotransplantation, biologic metabolism, endocrinology, gland, potassium

ABSTRACT: The potassium content was determined in the plasma, heart tissue, and urine of 66 cats, variously intact, adrenalectomized, and with autotransplanted adrenals following resuscitation after fatal blood-letting.

After resuscitation, the potassium content for all animals decreased in the plasma and increased in the myocardium. These changes were found to be statistically insignificant in the adrenalectomized animals but authentic in intact animals and those with autotransplanted adrenals.

The mechanisms involved in the changes of potassium content in the three groups of animals are discussed in comparison with contradictory literature data. Orig. art. has: 3 tables.

Card 1/2

L 1598-66

ACCESSION NR: AP5024773

ASSOCIATION: Novokuznetskiy institut usovershenstvovaniya vrachey (Novokuznetsk Institute for Advanced Training of Physicians); Kafedra fiziologii Novokuznetskogo pedagogicheskogo instituta (Department of Physiology, Novokuznetsk Pedagogical Institute)

SUBMITTED: 12Dec63

ENCL: 00

SUB CODE: LS

NR REF SOV: 017

OTHER: 001

JPRS

Card 2/2 DP

Radial steam distribution in an ascending turbine water and steam flow. Teploenergetika 11 no. 1940-43 Ju '62.

(MIRA 17.5)



KAZIN, I.V., inzh.

Study of the actual steam content in a stage with natural water circulation. Teploenergetika 10 no.6:25-29 Je '63. (MIRA 16:7)

1. Institut atomnoy energii AN SSSR.  
(Boilers)

KISTEN, L. D., and GORE, H. V.

"Prospects for a New Vaccine Against Anthrax in Agricultural Animals (First Report)",  
Tr. Chkalovskogo S. -X. In-ta, No 6, 1955, p. 97-100

From a virulent strain of anthrax the authors produced a non-virulent culture by controlled culturing. It retained the morphological and biochemical properties of the original strain but lost its capacity for encapsulation and almost stopped sporulating. The new characteristics of the culture are stably maintained and transmitted hereditarily. Experiments with guinea pigs proved that the virulent culture had immunogenic properties. (RZhbiol, No 6, 1955) SC: Sum.No.713, 9 Nov 55

KAZIN, N.F.

"Efficient use of electric power in machinery manufacturing  
plants." M.I. Trekhov. Reviewed by N.F. Kazin. Prom. energ.  
15 no.8:53-54 Ag '60. (MIRA 15:1)

(Electric power)  
(Trekhov, M.I.)

BOGUSH, Lev Konstantinovich; GROMOVA, Lidiya Samoylovna; KAZIN, V.P.,  
red.; ZAKHAROVA, A.I., tekhn. red.

[Surgical treatment of tuberculous empyemata] Khirurgicheskoe  
lechenie tuberkuleznykh empiem. Moskva, Medgiz, 1961. 131 p.  
(EMPYEMA) (MIRA 15:2)

MUROMSKIY, Yuriy Alekseyevich; KAZIN, V.P., red.; PARAKHINA, N.L.,  
tekhn. red.

[Bronchial fistulas following pulmonary resection] Bron-  
khial'nye svishchi posle rezektsii legkikh. Moskva, Med-  
giz, 1963. 218 p. (MIRA 16:7)  
(FISTULA, BRONCHIAL) (LUNGS--SURGERY)

KAZIN, Vladimir Vladimirovich, inzhener-polkovnik, dots., kand.tekhn.nauk;  
MAYKOV, Yevgeniy Ivanovich, polkovnik, dots.kand.voyennykh nauk;  
STASYUK, M.A., red.; SOROKIN, V.V., tekhn.red.

[Engineering equipment for artillery placements] Inzhenernoe  
oborudovanie mestnosti dlia artillerii. Moskva, Voen.izd-vo  
M-va obor. SSSR, 1957. 139 p. (MIRA 11:2)  
(Artillery)

MAZOV, A.V.; POLUBOYARINOV, G.N. [deceased]; KAZINA, V.S.; PARAMONOVA, Z.D.;  
PANCHENKO, V.A.

Deactivation of phenol-containing spent sulfite liquors from  
petroleum refineries. Khim.i tekhn.topl.i masel 6 no.4:36-39  
Ap '61. (MIRA 14:3)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut po pererabotke  
nefti i gazov i polucheniyu iskusstvennogo zhidkogo topliva.  
(Petroleum--Refining)(Sewage--Purification)

MAZOV, A.V.; KAZINA, V.S.; PARAMONOVA, Z.D.; PANCHENKO, V.A.

Regeneration of spent alkalies. Khim. i tekhn. topl. i masel  
7 no.3:26-31 Mr '62. (MIRA 15:2)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut po  
pererabotke nefiti i gaza i polucheniyu iskusstvennogo zhidkogo  
topliva.

(Alkalies)  
(Petroleum--Refining)



KAZINCY, Miklos

"Verification" of Ady; some purism. Elet tud 15 no.14:430  
3 Ap '60.

KAZINCZY, L.

KAZINCZY, L.; LECINER, E.

"A.G. Maltchan's Machine Tools: Notes; a Book Review", p. 759  
(MAGYAR TECHNIKA, Vol. 9, no. 12, Dec. 1959, Budapest, Hungary).

Source: Monthly List of East European Accessions, IC, Vol. 3, no. 5,  
May 1959/Uncl.

SABLYA, Ferenc; KAZINCZY, Laszlo, okleveles mernok; ODOR, Istvan,  
Okleveles mernok

Corrosion of channels. Magyar ipar 12 no.5:215-218 '63.

YAZINCZY, Laszlo, dr.

Surface roughness designing and measurement. Gepgyartastechn 1 no.2:77-79 My '61.

HARASYMOWICZ, Jan, dr., ing., adjunktus; KAZINCZY, Laszlo, dr., cimzetes  
egyetemi tanar

Edge endurance and cutting force problems in turning angular  
bodies. Gep 16 no.8:287-293 Ag '64.

1. Cracow Technical University, Poland (for Harasymowicz).

KAZINER, Ya.D.

Conference of specialists of the member countries of the  
Mutual Economic Assistance Council. Kauch.i rez. 22 no.2:53  
F '63. (MIRA 16:2)

(Mutual Economic Assistance Council)  
(Moscow—Congresses)  
(Europe, Eastern—Rubber industry)

1. KAZINETs, L.
2. USSR (600)
4. Statistics
7. V. I. Lenin on the object and unit of statistical control, Vest. stat., No. 5, 1952.

9. Monthly List of Russian Accessions, Library of Congress, April, 1953, Uncl.

1. KAZINETTS, L.
2. USSR (600)
4. Lenin, Vladimir Il'ich, 1870-1924
7. V. I. Lenin on the object and unit of statistical control. Biblioteker' No. 1 1953.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.



KAZINETS, L.S. (Saratov)

~~Uch.zap.po stat. 1:125-138 '55.~~  
Coefficient of correlation and problems in the theory of indexes.  
Uch.zap.po stat. 1:125-138 '55. (MLRA 9:11)  
(Statistics)

AUTHOR: Kazinets, L.

2-58-5-6/17

TITLE: To the Problem of the Chain Method of Analyzing the Effect of Factors (K voprosu o tsepnom metode analiza vliyaniya faktorov)

PERIODICAL: Vestnik Statistiki, 1958, Nr 5, pp 36-46 (USSR)

ABSTRACT: The index method is applied in statistics to solve the problem of social-economic correlations, especially when composite and simple factors are connected in such a way that the characteristic index of composite factors is a product of several simple factors. The index method decomposes the variation index of a composite phenomenon into several factors. The general principle in building up partial indexes is to eliminate effects of all factors on variations of the functional index, except the factor under investigation. The article deals with the central methodological problem of the chain method, i.e. economic basing of criteria in the selection of a variant for building up partial indexes. On the basis of theories created by L.V. Nekhrash, D.V. Savinskiy, G.I. Baklanov and V.S. Nemchinov, principles of the problem are expounded and illustrated by examples, tables and formulas. There are 3 tables and 5 Soviet references.

AVAILABLE: Library of Congress  
Card 1/1

16(2) APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000721410007-9"

SOV/2-59-5-7/13

AUTHOR: Kazinets, L.

TITLE: On Methods of Setting Up Territorial Indices.  
(O metodakh postroyeniya territorial'nykh indeksov.)

PERIODICAL: Vestnik statistiki, 1959, Nr 3, pp 58-66 (USSR)

ABSTRACT: The author states that the problem of scientifically-grounded statistical indices, permitting a comparison of the economic data of different economic administrative regions, has become urgent. Different authors who discussed the problem earlier in this periodical give the term "territorial indices" a different meaning. The article is published in the section "For Discussion" and contains arguments for and against the opinions of seven authors. There are 8 Soviet references.

Card 1/1

EFENDIYEV, G.A.; KAZINETS, M.M.

Electronographic investigation of phase formation processes in  
the system Cu--Se. Izv.AN Azerb.SSR.Ser.fiz.-mat.i tekhn.nauk  
no.5:91-98 '60. MIRA 14:4)

(Copper-selenium alloys)  
(Phase rule and equilibrium)

KAZINIK, I.S.

Use of small computing machines for geodetic calculations. Geod.  
1 kart. no.9:39-47 N '56 (MIRA 10:1)  
(Calculating machines)

KAZINIK, I.S.

Use of the "Ural" electronic calculating machine in the compilation  
of tables. Geod. i kart. no. 3:13-14, Mr '61. (MIRA 14:4)  
(Surveying—Tables, Etc.) (Electronic calculating machines)

KAZINIK, M., ~~prepodavatel'~~

Development of the technical thinking of students.

Prof.-takh. obr. 19 no.7:13-15 JI '62. (MIRA 15:12)

1. Tekhnicheskoye uchilishche No.7, Moskva.  
(Electric engineering--Study and teaching)

KAZINIK, Mikhail Lazarevich; LIVSHITS, N.S., nauchn. red.;  
CHERNYAK-BYKHOVSKAYA, S.A., red.

[Laboratory work in radio engineering] Labo atornye ra-  
boty po radiotekhnike. Moskva, Vysshaya shkola, 1964. 93 p.  
(MIRA 17:8)

MAKAROV, G.N.; KAZINIK, Ya.M.; POPCHENKO, R.A.; SEMENOV, A.S.; YERKIN, L.I.; RYVKIN, I.Yu.; PRIVALOV, V.Ye.; MUSTAFIN, F.A.; KUZNETSOV, P.V.; ZOROKHOVICH, G.Ya.

Coking of the coal charge in an oven with a rotating ring floor.  
Koks i khim. no.11:34-41 '62. (MIRA 15:12)

1. Moskovskiy khimiko-tekhnologicheskii institut im. D.I. Mendeleyeva (for Makarov, Kazinik, Popchenko, Semenov).
2. Vostochnyy uglekhimicheskiy institut (for Yerkina, Ryvkin, Privalov).
3. Nizhne-Tagil'skiy metallurgicheskiy kombinat (Mustafin, Kuznetsov, Zorokhovich).  
(Coke)



BOGOSLOVSKIY, Yu.N.; KAZINIK, Ye.M.; MAKAROV, G.N.

Temperature distribution in a ring-shaped oven for the continuous  
coking of coal. Koks i khim. no.9:30-35 '62. (MIRA 16:10)

1. Moskovskiy khimiko-tekhnologicheskiy institut im. D.I.Mendeleyeva.  
(Coke ovens--Testing)

KAZIMIERZAK, B.I., Inzh.

Characteristics of the design of railroad bridges for new  
temporary vertical loading. Trudy TSNIIS no.46:119-167 '62.  
(MIRA 15:9)

(Railroad bridges)

KAZINITSKIY, M. I.

USSR (600)

Technology

(Capital construction in the building materials industry). Moskva, Promstroizdat, 1951.

Monthly List of Russian Accessions, Library of Congress, November 1952. UNCLASSIFIED.

KAZINITSKIY, M. I.

KAZINITSKIY, M.I.; YUDIN, Ya.M.; POPOV, A.N., chlen korrespondent  
Akademii arkhitektury SSSR.

[Capital construction in the building materials industry; organization and planning] Kapital'noe stroitel'stvo v promyshlennosti stroitel'nykh materialov; organizatsiia i planirovanie. Pod red. A.N. Popova. Izd.2., dop. i perer. Moskva, Gos. izd-vo lit-ry po stroit. materialam, 1954. 342 p. (MLRA 7:7)  
(Building materials industry) (Factories--Design and construction)

~~KAZIMITSKIY~~, Mikhail Il'ich; POPOV, A.N.; SEDOV, A.P., nauchnyy redaktor;  
GIMPEL'SON, A.Z., redaktor; PYATAKOVA, N.D., tekhnicheskii redaktor

[Building materials for few-story dwellings] Stroitel'nye materialy  
dlia maloetazhnykh zhilykh domov. Pod red. A.N.Popova. Moskva,  
Gos.izd-vo lit-ry po stroit.materialam, 1957. 331 p. (MIRA 10:7)

1. Deystvitel'nyy chlen Akademii stroitel'stva i arkhitektury  
SSSR (for Popov)  
(Building materials)

KAZINITSKIY, Mikhail Il'ich, inzh.; PLOTKIN, Naum Borisovich, inzh.;  
TOLCHINSKIY, Aleksandr Aleksandrovich, inzh.; CHAPLITSKIY,  
Vladimir Konstantinovich, inzh.; NASEDKIN, V.M., inzh., retsenzent;  
SIVITSKIY, K.P., inzh., retsenzent; KOTOVICH, B.M., dotsent,  
retsenzent; VOLCHANSKIY, R.A., kand.tekhn.nauk, nauchnyy red.;  
DENISOV, A.A., dotsent, nauchnyy red.; BILINSKIY, M.Ya., red.;  
RAKOV, S.I., tekhn.red.

[Handbook for collective farm construction foremen] Spravochnik  
kolkhoznogo desiatnika-stroitelia. Moskva, Vses.uchebno-pedagog.  
izd-vo Trudrezervizdat, 1959. 564 p. (MIRA 13:5)  
(Building)

POTYAGALOV, Afanasii Fudorovich; KAZINOV, A.A., retsenzent; KANUNNIKOV,  
I.V., retsenzent; AKSENOVA, I.I., red.; KOGAN, V.V., tekhn.red.

[Sizing of warps] Shlikhtovanie osnov. Moskva, Gos.nauchno-tekhn.  
izd-vo lit-ry po legkoi promyshl., 1959. 325 p. (MIRA 13:3)  
(Weaving) (Textile finishing)

RASKINA, N.Yu.; KAZINOV, A.A., spets.red.

[Simplified spinning systems, new principles for the production of yarn and the equipment used; index of Soviet and foreign literature received by the Library from November 1957 to June 1962] Sokrashchennye sistemy priadeniia, novye printsipy polucheniia priazhi i primeniemo oborudovanie; spisok otechestvennoi i inostranoi literatury, postupivshei v biblioteku s noiabria 1957 g. po iun' 1962 g. Moskva, 1962. 52 p. (MIRA 17:8)

1. Tsentral'naya nauchno-tekhnicheskaya biblioteka legkoy promyshlennosti.



1. KAZINSKAYA, L. N.
2. USSR (600)
4. Midwives
7. Practical instructions on internal diseases in unified hospitals. Fel'd.i akush. no. 12, 1952.

9. Monthly List of Russian Accessions, Library of Congress, March 1953, Unclassified.

**KAZINSKAYA, L.N. (Khar'kov)**

~~XXXXXXXXXXXXXXXXXXXX~~  
Peculiar clinical picture of chronic poisoning from leaded gasoline.  
Gig. truda i prof. zab. 2 no.6:40-42 H-D '58 (MIRA 11:12)

1. Klinika Ukrainskogo instituta gigiyeny truda i profzabolevaniy.  
(LEAD POISONING)

STANISLAVSKIY, Ya.M., starshiy nauchnyy sotrudnik; BARANENKO, A.A.;  
NESTRUGINA, Z.F.; KAZINSKAYA, L.N. (Khar'kov)

Pneumoconiosis in foundry workers. Vrach.delo no.7:725-727 J1 '59.  
(MIRA 12:12)

1. Klinika Ukrainskogo nauchno-issledovatel'skogo instituta gigiyeny  
truda i professional'nykh zabolevaniy (nauchnyy rukovoditel' - prof.  
S.D. Reyzel'man).

(LUNGS--DUST DISEASES)

(FOUNDING--HYGIENIC ASPECTS)

1ST AND 2ND ORDER										3RD AND 4TH ORDER									
SUBJECTS										PROCESSES AND PROPERTIES INDEX									
F KAZINSKI, B.																			
<p>470. MODERN LUBRICATING OILS. Kazinski, B. (Przeglad Motoryzacyjny, 1948, (6); Narta, 1948, vol. 4, 68-71). Methods for improving the index, lubricating properties, stability and resistance to oxidation, etc. of lubricating oils are described. The effects of gasoline dilution of lubricating oil on its pour point and consumption are discussed. Addition of a small percentage of special synthetic chemicals is beneficial. Oils used in the U.S.A. before the war are compared with those now in use, and future trends are indicated.</p> <p style="text-align: right;">I.P.</p>																			
ASR-SLA METALLURGICAL LITERATURE CLASSIFICATION																			
1ST ORDER										2ND ORDER									
SUBJECTS										PROCESSES AND PROPERTIES INDEX									

Karinskii, V.A. "Astatic gravimeter." Izvestiia, Moscow, No. 2, 1960, pp. 21-27.

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Inst. Theoretical Geophysics, (-1944-).

"On the addition of oscillations of two gravimetrical pendula on a ship,"

Iz. Ak. Nauk SSSR, Ser. Geograf. i Geofiz., No. 1-6, 1944.

KAZINSKIY, V. A.

Acad. Sci., Inst Theor. Geophysics, (-1945-)

"On the compensation of the influence of the vertical oscillation of a ship on the average period of a pendulum,"

Iz. Ak. Nauk SSSR, Ser. Geograf. i Geofiz., No. 5-6, 1945

KAZINSKY V. A.

14 1079

USSR/Mathematics, Applied  
Geography

Apr 1945

"The Accuracy of the Determination of the Gradients  
of Curvature," V. A. Kazinsky, 6 pp

"Izv Ak Nauk Geograf i Geofiz" Vol IX, No 4

Mathematical study of the dependence of curvature  
on the character of local topography.

1079



KAZINSKIY, V. A.

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USSR/Physics  
Gravimetric Analysis  
Gravity - Measurements

Sep 1946

"On the Division of the Earth's Gravitational Field  
into Zones," V. A. Kazinskiy, 3 pp

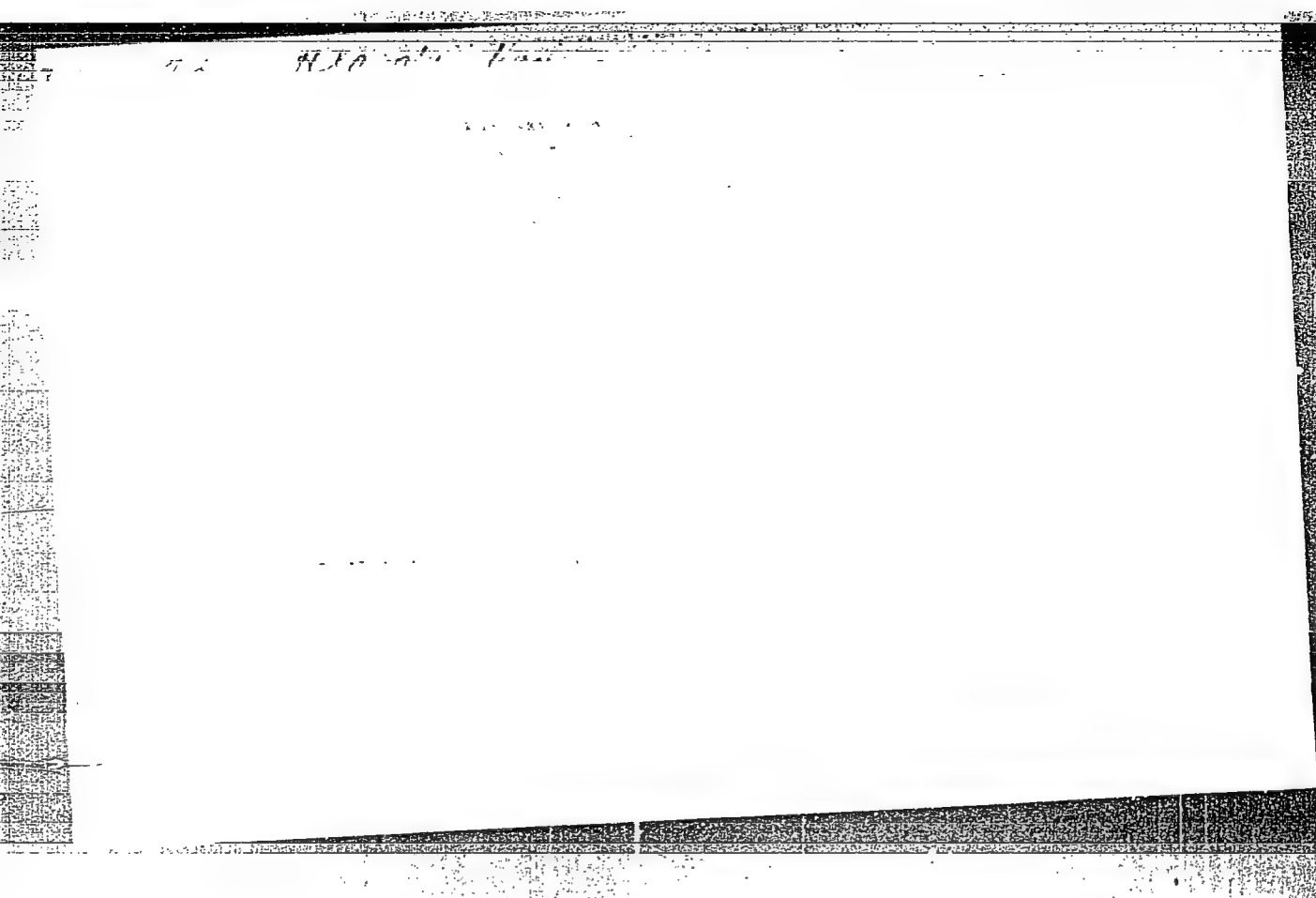
"Comptes Rendus (Doklady)" Vol LIII, No 7

A discussion is given of the use of the Stokes formula  
for the purpose of comparing one "component" of the  
curvature gradient with gravitational anomalies. The  
formula permits study of the solid outer crust of the  
earth, and study of the zonal division of the earth's  
gravitational field. The author gives a solution of  
the differential equation representing Stokes' formula  
for the subject problem.

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"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000721410007-9



APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000721410007-9"

KAZINSKIY, V.A.

Theoretical principles of ore gravimetry. Dokl. AN SSSR 109 no.6:1126-1128 Ag '56. (MLRA 9:11)

1. Geofizicheskiy institut Akademii nauk SSSR. Predstavleno akademikom D. I. Shcherbakovym.  
(Prospecting--Geophysical methods)

KAZINSKIY, V.A.

"Concerning the Calculation of the Influence of Topographic Masses on Underground Gravitational Measurements," by V. A. Kazinskiy, Institute of the Physics of the Earth, Academy of Sciences USSR, Izvestiya Akademii Nauk SSSR -- Seriya Geofizicheskaya, No 1, Jan 57, pp 30-38

The article proposes a method of equating gravitational elements to a horizontal plane. The theoretical basis for the method is a stipulation which was developed on the theory of interpolation of the function of two independent variables.

Examples, samples of tables, and typical schemes are set forth for the purpose of demonstrating the particulars of the application of this method for the calculation of the influence of topographic masses, which occur above or below, in relation to profile lines of gravitational measurements. (U)

Sum. 1322

K HZ/NSR/14 V.A.

AUTHOR: Kazinskiy, V. A.

49-4-12/23

TITLE: On balancing the elastic systems of gravitational variometers. (Ob uravnoveshivanii uprugoy sistemy gravitatsionnykh variometrov).

PERIODICAL: Izvestiya Akademii Nauk SSSR, Seriya Geofizicheskaya, 1957, No.4, pp. 520-521 (USSR)

ABSTRACT: One of the most important operations in adjusting S-20 gravitational variometers is the balancing of the elastic suspension system; even the slightest disturbance of the standard inclination angle of the elastic system will produce a vertical asymmetry in the position of the balancing beam. Adjusting screws which are being used are suitable only for correcting relatively small deviations from the standard position. A way of eliminating this source of error is described.

Card 1/1 There are 2 figures.

SUBMITTED: December 1, 1956.

ASSOCIATION: Ac.Sc. U.S.S.R. Institute of Physics of the Earth. (Akademiya Nauk SSSR Institut Fiziki Zemli).

AVAILABLE: Library of Congress.

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000721410007-9"

AUTHOR: Kazinskiy, V. A.

49-6-13/21

TITLE: On the geological interpretation of gravitational anomalies in mine workings. (O geologicheskoy interpretatsii gravitatsionnykh anomalii v vyrabotkakh rudnykh mestorozhdeniy).

PERIODICAL: "Izvestiya Akademii Nauk, Seriya Geofizicheskaya" (Bulletin of the Ac.Sc., Geophysics Series), 1957, No.6, pp. 803-807 (U.S.S.R.)

ABSTRACT: Determination of the sign of the residual density of geological bodies in their natural state is of great importance for interpreting gravitational anomalies measured in mine workings and this is illustrated by an example of modelling of the fields of two bodies which shows that it is not possible to solve unequivocally the problem of the direction of location of an anomalised body solely by means of  $T_{xz}$ ,  $T_{yz}$  and  $2T_{xy}$  without information on the character of the residual density of their sources. The position is quite different as regards the distribution of the gravitational element  $T_{xz}$  since for a positive residual density the field chart will be characterised by a bend in the graph of the element  $T_{xz}$  and inversely for a negative residual density, i.e. for a light body, by a convexity in the graph of the same

Card 1/4

49-6-13/21

On the geological interpretation of gravitational anomalies in mine workings. (Cont.)

of a field of boring chambers containing an iron cylinder, ore bodies and dykes; the results are plotted in the graphs, Figs. 1-6. The results of modelling of the field elements of an iron cylinder show the following dependence: if the iron cylinder is displaced to the right of the variometer, the elements  $2T_{xy}$  of this field increase with decreasing distance of the variometer and on reaching a maximum near the variometer the curve drops sharply; with a bend at the epicentre the graph of the element  $2T_{xy}$  continues to fall rapidly. On going out slightly from the central zone of the cylinder, the curve will reach a minimum and then will again rise sharply. A similar curvature in the graph of the element  $2T_{xy}$  characterises the field of the ore formation; which confirms that by underground gravitational measurements geological information can be obtained that, for instance, the given ore formation is in fact located beyond the right wall of the mine working. Thus, from the bending in the graph of the element  $T_{\Delta}$ , the author first confirmed the positive sign of the anomalous mass and then, from the geometry of the curve  $2T_{xy}$ , he determined the semi-space of its location,

Card 3/4

APPROVED FOR RELEASE: 06/13/2000

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49-6-13/21

On the geological interpretation of gravitational anomalies in mine workings. (Cont.)

i.e. the wall in which the sought ore body is located. The results show that disregarding of  $T_{\Delta}$  in gravitational prospecting involves incompleteness of the geological interpretation, since it then becomes necessary to revert to geological information on the density of the sought minerals.

There are 6 graphs.

SUBMITTED: February 20, 1957.

ASSOCIATION: Institute of Physics of the Earth, Ac.Sc., U.S.S.R.  
(Akademiya Nauk SSSR Institut Fiziki Zemli).

AVAILABLE: Library of Congress

Card 4/4

16(1)

PHASE I BOOK EXPLOITATION

SOV/2846

Kazinskiy, Vasilii Aleksandrovich

Matematicheskkiye tablitsy dlya approksimatsii geofizicheskikh anomalii i reduktsiy interpolyatsionnymi mnogochlenami (Mathematical Tables for Approximating Geophysical Anomalies and Reductions by Means of Interpolative Polynomials) Moscow, Izd-vo AN SSSR, 1959. 89 p. 2,000 copies printed.

Sponsoring Agency: Akademiya nauk SSSR. Institut fiziki zemli.

Ed.: M. N. Sergeev, Professor; Ed. of Publishing House: K. P. Gurov;  
Tech. Ed.: Ye. V. Makuni.

PURPOSE: This book is intended for mathematicians and geophysicists.

COVERAGE: This book contains tables and diagrams for the reduction and interpretation of subterranean measurements by gravitational variometers and gravimeters. The tables and diagrams can also be used in the processing of ground-surface and oceanic gravitational measurements, in the study of strata boundaries of various deep structures by gravity anomalies, and for approximating the vertical gradient of the attraction force generated by

Card 1/5

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000721410007-9

Mathematical Tables (Cont.)

SOV/2846

any geological body. In addition, they can be used extensively in the analoging of elements of gravitational fields without resorting to a book for the selection of majorant curves. Tables are included for determining the density of rocks and ore. The principle of double interpolation can be used in constructing a method for determining: the anomalies of mass by Ostragradskiy's formula; the coordinates of the center of gravity by Green's formula and the volume of production; in approximating the elements of a magnetic field, the smoothing of gravitational fields by the mean value theorem of a definite integral of gravity anomalies; and in a study of the form of the earth with the formulas of Stokes and V. Meinesz. The author thanks Ye. P. Dosuzhayeva for her computational work on the tables. No references are given.

# TABLE OF CONTENTS:

Foreword	3
1. On the Chief Fundamentals of the Construction of Tables	5
2. Anomalies and Reductions of Homogeneous Bodies of Arbitrary Form	6
3. Anomalies and Reductions of Non-Homogeneous Bodies of Arbitrary Form	9

Card 2/5



Mathematical Tables (Cont.)

SOV/2846

4. The Gravitational Effect of the Irregularities of Mining Shafts	10
5. Vertical Gravity Gradient	14
6. Approximating Deviations of Plumb Lines and Geoid Surface From a Spheroid	16
7. Magnetic Anomalies and the Reductions of Bodies of Arbitrary Form	20

APPENDICES

Appendix I. Tables of Numerical Values of the Functions $\Phi_z$ for the Determination of Anomalies and Gravity Reductions	24
--	----

Appendix II. Nomogram of Numerical Values of the Functions $\Phi_z, \Phi_{xz}, i; p^3$ for the Determination of Anomalies and the Reductions (I) of the Horizontal and Vertical Gravity Gradients ( $I_{zz}, I_{xz}, I_{yz}$ ) and of the Elements of the Magnetic Field (H and Z)	36
--	----

Appendix III. Tables of Numerical Values of the Functions $\Phi_{xy}, \Phi_{xz}$ for the Determination of the Gravitational Elements $I_{xy}$ and $I_{xz}$ Generated by the Irregularities of the Walls ( $\Phi_{xz}$ ) Ceiling ( $\Phi_{xz}$ ) and Floor	
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Card 3/5

Mathematical Tables (Cont.)

SOV/2846

of Underground Shafts	37
-----------------------	----

Appendix IV. Tables of the Numerical Values of the Function $\Phi_{\Delta}$ for the Determination of the Gravitational Elements $I_{\Delta}$ Generated by Irregularities of the Walls of Underground Shafts	46
---	----

Appendix V. Tables of Numerical Values of the Functions $\bar{\Phi}_{\Delta}$ for the Determination of the Gravitational Element $\bar{I}_{\Delta}$ Generated by Irregularities of the Ceiling and Floor of Underground Shafts	55
--	----

Appendix VI. Tables of the Numerical Values of the Functions $\Phi_{xz}, \Phi_{xy}$ for the Determination of the Gravitational Elements $I_{xz}$ and $I_{xy}$ Generated by Irregularities of the Walls ( $\Phi_{xz}$ ), Ceiling and Floor ( $\Phi_{xy}$ ) of Underground Shafts	64
---	----

Appendix VII. Tables of Numerical Values of the Functions $\Phi_{yz}, \bar{\Phi}_{yz}$ for the Determination of the Gravitational Elements $I_{yz}$ and $\bar{I}_{yz}$ Generated by Irregularities of the Walls ( $\Phi_{yz}$ ), Ceiling, and Floor of Underground Shafts ( $\bar{\Phi}_{yz}$ ), and Also for the Determination of Elements of the Magnetic Field of Bodies of any Form and Magnetization	73
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Card 4/5

SOV/49-59-2-16/25

AUTHOR: Kazinskiy, V. A.

TITLE: Use of Interpolation Polynomials in the Study of the Earth's  
Shape. (Interpolyatsionnyye polinomy v primeneni k issledovaniyu  
figury zemli)

PERIODICAL: Izvestiya Akademii nauk SSSR, Seriya geofizicheskaya,  
1959, Nr 2, pp 301-303 (USSR)

ABSTRACT: Interpolation polynomials are used in many applied sciences,  
in particular in geophysical prospecting. The present note  
shows how to apply interpolation polynomials in studies of the  
earth's shape. According to Stokes, the value of  $N$ , the  
deviation of the surface of the geoid from that of a spheroid  
is given by:

$$N = \frac{R}{4\pi\gamma} \iint_0^{2\pi} \int_0^{\pi} \Delta g S(\phi) \sin \phi d\phi dA \quad (1)$$

where  $R$  is the radius of the earth;  $\gamma$  is the mean value of  
the force of gravity;  $\Delta g$  is the gravity anomaly:

Card 1/3

SOV/49-59-2-16/25

Use of Interpolation Polynomials in the Study of the Earth's Shape

$$S(\psi) = \operatorname{cosec} \frac{\psi}{2} - 6 \sin \frac{\psi}{2} + 1 - 5 \cos \psi - 3 \cos \psi \ln \left( \sin \frac{\psi}{2} - \sin^2 \frac{\psi}{2} \right).$$

$\psi$  is the spherical (polar) distance. The function under the integral may be replaced by an interpolation polynomial and Eq (1) may be re-written as:

$$N^* = \frac{R}{4\pi\gamma} \frac{\Delta\psi\Delta\lambda}{9} \left[ (\Delta gF)_0^* + 4\sum (\Delta gF)_{2i-1} + 2\sum (\Delta gF)_{2i}^* + (\Delta gF)_m^* \right] \quad (2)$$

( $i = 1, 2, 3, \dots, m$ )

where  $F = s(\psi) \sin \psi$ ,

$$(\Delta gF)_k^* = \left[ (\Delta gF)_{0,k} + 4\sum (\Delta gF)_{2i-1,k} + 2\sum (\Delta gF)_{2i,k} + (\Delta gF)_{m,n} \right] \quad (3)$$

( $k = 0, 1, 2, \dots, n$ )

Card 2/3

SOV/49-59-2-16/25

Use of Interpolation Polynomials in the Study of the Earth's Shape  
and  $m$ ,  $n$  are integers. The author applies the quoted  
formula (Eq 2) to find deviations of the vertical (zenith)  
lines for a plane distribution of anomalies in a spherical  
body given by:

$x^2 + y^2 + (z - 50)^2 = 30^2$ ; density of the body is assumed to  
be  $1 \text{ g/cm}^3$ . There is 1 table.

ASSOCIATION: Akademiya nauk SSSR, Institut fiziki Zemli (Institute of  
Physics of the Earth, Academy of Sciences USSR)

SUBMITTED: December 30, 1957.

Card 3/3

AUTHOR: Kazinskiy, V. A.

SOV/49-59-8-18/27

TITLE: On the Gravity Effect of Local Non-homogeneous Rocks

PERIODICAL: Izvestiya Akademii nauk SSSR, Seriya geofizicheskaya,  
1959, Nr 8, pp 1226-1230 (USSR)

ABSTRACT: Mathematical fundamentals are described for determining the different parts of a gravimetric field in relation to its anomalies. The method is based on polynomial approximation of the integral defining the volume  $v$  of a non-homogeneous body. This can be expressed as Eqs (1) and (2), where  $I_{k\eta}$  - gravitational element of an external field at the point  $M(\xi, \eta, \zeta)$ ,  $f$  - gravitational constant,  $\varphi(x, y, z)$  - function defining  $I_{k\eta}$ ,  $dv = dx dy dz$  - differential of the volume  $v$  of the body having the density  $\delta$ ,  $x, y, z \in v$ . The volume  $v$  can be divided into parts  $v_c$  when the orthogonal formula (3) is applied ( $\Delta x, \Delta y$  - distance between planes,  $\mu, \nu$  - number of planes intersecting the volume  $v$ ). Thus, the double integral, Eq (5), can be obtained from Eq (1). The density in this case should be defined as Card 1/2 a function (7) and, therefore, the formulae (9) and (10)

SOV/49-59-9-16/25

AUTHOR: Kazinskiy, V. A

TITLE: An Application of the Ostrogradskiy Formula for an Approximate Determination of the Mass of a Body

PERIODICAL: Izvestiya Akademii nauk SSSR, Seriya geofizicheskaya, 1959, Nr 9, pp 1412-1413 (USSR)

ABSTRACT: The mass  $M$  of a body  $\tau$  can be defined by the Ostrogradskiy formula (1) which can be transformed into Eq (2). The latter can be presented as Eqs (3) and (4) where the interpolation coefficients depend on  $\Delta g$ . This can be seen from Eqs (5) and (6). The method of approximation according to Eq (5) can be shown as follows: a polar grid is drawn on a gravitational chart on which the circles  $x^2 + y^2 = r_\mu^2 = [\mu(\mu + 1)]^2$  and the straight lines

$y = \operatorname{tg} 2\alpha/2n \cdot x$  are superimposed. The numerical values of  $\Delta g$  are determined for the points of intersection of circles and straight lines. An example of results obtained is shown in Tab 1. The mass in this case is determined with 4% error from Eq (5) as  $M^* = 107694$  ton.

Card 1/2

SOV/49-59-9-16/25

An Application of the Ostrogradskiy Formula for an Approximate Determination of the Mass of a Body

"disappearing" mass in the case of an underground gassification of coal seams. There is 1 table and 1 Soviet reference.

ASSOCIATION: Akademiya nauk SSSR. Institut fiziki Zemli (AS USSR, Institute of Physics of the Earth)

SUBMITTED: December 3, 1957

Card 2/2

KAZINSKIY, V.A.

Interpretation of gravity fields produced by steeply sloping geological bodies. Izv. AN SSSR. Ser. geofiz. no.4:595-601 (MIRA 14:3)  
Ap '61.

1. Institut fiziki Zemli AN SSSR.  
(Gravity prospecting)

KAZINSKIY, V.A., starshiy nauchnyy sotrudnik

Solving geophysical and geodetic problems by the polynomial approximation method. Izv. vys. ucheb. zav.;geod. i aerof. (MIRA 15:9)  
no.2:99-114 '62.

1. Institut fiziki Zemli.  
(Approximate computation) (Geodesy) (Geophysics)

KAZINSKIY, V.A.

Development of underground gravimetry and methods for solving  
its problems. Izv. AN SSSR Ser. geofiz. no.5-748-765 My '63.  
(MIRA 16:6)

1. Institut fiziki Zemli AN SSSR.  
(Gravimetry)



L 21102-65 EWT(1)/EWG(v) Po-4/Pe-5/Pq-4/Pg-4/Pb-4 AFWL/ESD(t)/SSD GW

AP 5001947

S/0049/64/000/011 1608/1621

AUTHOR: Kazinsky, V. A.

TITLE: The study of the earth's internal gravitational field. I

SOURCE: AN SSSR. Izvestiya, Seriya geofizicheskaya, no. 11, 1964, 1608-1621

TOPIC TAGS: gravity, internal gravitational field, underground gravimetry

ABSTRACT: The theory and methods for the study of the earth's gravitational field as measured within underground mines of simple shapes are presented in considerable detail. The conditions are idealized at relatively small depths. In view of the character of the study of this underground gravimetry, the author at first presents experimental data collected directly during measurements. Later, he proceeds towards the establishment of a theoretical model of the field and experimental testing on laboratory models of simple shapes. A two-pronged approach, proven very successful, made possible the search for analytical solutions. The author's work for the more complete development of the theory of gravitational fields outlined in this paper. Orig. art. has: 44 formulas and 3 figures.

Card 1/2

L 21102-65

ACCESSION NR: AP5001047

ASSOCIATION: Institut fiziki Zemli, Akademiya nauk SSSR (Institute of Physics of the Earth, SSSR Academy of Sciences)

SUBMITTED: 05Apr63

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Card 2/2

L 25029-65 ENT(1)/ENG(v) Po-L/Pe-5/Pq-L/Pg-L GW  
ACCESSION NR: AP5001952 S/0049/64/000/012/1832/1836

AUTHOR: Kazinskiy, V. A.

TITLE: Investigating the Earth's internal gravitational field. II

SOURCE: AN SSSR. Izvestiya. Seriya geofizicheskaya, no. 12, 1964, 1832-1836

TOPIC TAGS: variometry, subintegral function, geometric characteristic, underground stratum, gravimetry, internal gravitational field, mining

ABSTRACT: Mine measurements made with variometers and gravimeters are usually carried out for the same purpose but they are also essentially different from each other. This is due primarily to the different principles on which these instruments are based, and the different methods of their application. The surrounding medium has a certain effect on the results of gravimetric measurements. Several interpolation formulas designed to determine the internal reference points in mine measurements are discussed. In the case of underground mines with uneven walls, it is suggested that the effect of these walls be calculated by the use of integro-interpolation formulas with a double summation and an uneven distribution of nodal points. Another formula is recommended for calculating the effect of un-

Card 1/2

L 25029-65

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evenness of the mine ceiling and floor, and still another formula for the slope.  
These three formulas are monotypic and very simple if used in connection with  
tables compiled for subintegral functions. Orig. art. has: 27 formulas.

ASSOCIATION: Institut Fiziki Zemli, Akademiya Nauk SSSR (Terrestrial physics  
institute, Academy of sciences, SSSR)

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OTHER: 000

Cord 2/2

KAZINSKIY, V.A.

Studying the earth's internal gravitational field. Part 1.  
Izv. AN SSSR. Ser. geofiz. no.11:1608-1621 N '64. (MIRA 19:12)

1. Institut fiziki Zemli AN SSSR.

ZONN, S.V., prof.; KOVALEV, R.V., prof. ; RUBILIN, Ye.V.; BENEVOL'SKIY, S.A.,  
dotsent; KAZINTSEV, A.O., dotsent; NEMERYUK, G. Ye.; dotsent;  
BLAGORAZUMOV, V.; MAGNUSOV, D.C.

In memory of Professor Efim Fedorovich Pavlov. Pochvovedenie  
no. 7:120-121 J1 '65 (MIRA 19:1)

*CA* KAZINTSEV, A. I.

Apparatus for determination of density of solids. A. I. Kazintsev, *Zvezdnyye Lab.* 10, 300-71(1930).—The app. is a double glass-bulb device with a graduated leveling flask attached to the lower bulb with flexible tube. The upper bulb is charged with the sample and xylene, the lower with xylene and water. The vol. of liquid displaced by the solid is read on the calibration scale of the leveling flask. The value of  $d$  obtained is within 0.2% of the truth with grains, beads, etc., for test samples.

G. M. Kosolapoff

KAZINTSEV, A.I.

Problems of the physics of grain. Uch. zap. SOGPI 26 no.2:  
51-55 '64. (MIRA 19:1)

USSR / Cultivated Plants. Grains.

M-2

Abs Jour: Ref Zhur-Biol., No 6, 1958, 24944

Author : ~~Kazintsev, A. I.~~

Inst : North Osetinskiy State Pedagogical Inst.

Title : Several Indices of Physical Grain Characteristics

Orig Pub: Uch. Zap. Severo-Osetinsk. gos. ped. in-t, 1956,  
vyp. 20, 179-216

Abstract: On the basis of his own research and findings in the literature on the subject the author comes to the conclusion that it is necessary to study the following physical characteristics of grain: the average thickness of the grain, the average thickness of 100% fine grain flour, grain porosity, the average size of the grain, the average thickness of the flour grains without the various chemical components and the size of the air canals in wheat

Card 1/2

15



1. KAMINTSEV, D. I.
2. USSR (600)
4. Chemistry - Study and Teaching
7. To intensify the practical trend of knowledge, Khim. v shkole, no. 1, 1953.

9. Monthly List of Russian Accessions, Library of Congress, May 1953. Unclassified.

**AUTHORS:** Deych, M.E. (Cand. Tech. Sci.), Samoylovich, G.S. (Cand. Tech.Sci.), Troyanovskiy, B.M. (Cand. Tech. Sci.), Kazintsev, F.V. (Engineer) and Lipatnikov, S.N. (Eng.)

**TITLE:** Investigation of two-crown regulating stages in an experimental steam turbine. (Issledovaniye dvukhvenechnykh reguliruyushchikh stupeney v parovoy eksperimental'noy turbine).

**PERIODICAL:** "Teploenergetika" (Thermal Power), Vol.4, No.5, May, 1957, pp.35-43 (U.S.S.R.)

**ABSTRACT:** Operating test results have shown that the regulating stages having two sets of blading on a single runner that are used by steam turbine factories are of low efficiency. Therefore, turbine designers try to avoid the use of such stages in high power turbines. However, hitherto, such stages have not been systematically investigated, the reasons for their low efficiency have not been established and methods of improving the efficiency have not been indicated. This article describes new 2-crown regulating stages that have been developed in the Moscow Power Institute intended for various heat drops and steam consumptions. The explanations of the type of stage and of the experimental conditions are all expressed in terms of Soviet conventional notation which is assumed to be so familiar to the reader as to require no explanation. The experimental set-up is described, the available experimental turbine having the following limiting

629

Investigation of the two-crown regulating stages in an experimental steam turbine. (Cont.)

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conditions: maximum power 600 kW, maximum speed 12 000 r.p.m.; initial pressure 1 to 5 atm.; maximum initial temperature 150 to 300°C and exhaust pressure 0.1 to 2 atm. The turbine is loaded by a hydraulic brake. The main geometrical characteristic of the stages tested are described with full information about blade profiles and dimensions. The results of the tests are presented in the form of graphs of the internal and blade efficiencies.

The experiments carried out were of a preliminary nature. For a number of operational reasons unstable conditions were obtained with a deep vacuum beyond the stage and it was, therefore, impossible to obtain a reliable efficiency value for certain conditions and particularly for low Reynolds numbers. Moreover, the relative error of the experiment is higher with deep vacuums because the power of the stage is less. However, the test results are of interest in that they give a qualitative picture of the relationship between efficiency and Reynolds number. Graphs illustrating this point are given. Information is also given about changes in the reaction under different conditions and the results of investigations on the stages with partial supply of steam. Some results are also given on a

SOV/96-58-5-2/27

AUTHORS: Daych, M.Ye., Doctor of Technical Sciences,  
Troyanovskiy, B.M., Candidate of Technical Sciences and  
Kazintsev, F.V., Abramov, V.I., Engineers

TITLE: Comparative Tests on a Two-row Velocity Stage (Sravnitel'-  
nyye issledovaniya dvukhveneknykh stupeney skorosti)

PERIODICAL: Teploenergetika, 1958, Nr 5, pp 9 - 16 (USSR).

ABSTRACT: Work done at the MEI (Moscow Power Institute) has led to the development of several two-row velocity wheels. One of these, stage KS-1A, was thoroughly tested in the experimental steam turbine of the Moscow Power Institute. The experimental procedure and test result were described in an article in Teploenergetika, 1957, Nr 5. They relate to a wheel with a mean diameter of 400 mm and a nozzle height of 15 mm and another with a diameter of 534 mm and height of 20 mm. Tests were also made on a stage, type KS-1A-3, with a wheel diameter of 668 mm and nozzle height of 25 mm. Curves of the internal efficiency of this stage with full steam supply are given in Figure 1. Thus, test results were obtained on three identical stages with constant  $d/l$  ratio and different absolute values of  $d$  and  $l$ . As will be seen from the table, the area ratios differed for each stage and this affected the stage reaction to some extent. Graphs of the mean total reaction for velocity stage

Card 1/5

Comparative Tests on a Two-row Velocity Stage SOV/96-58-5-2/27

KS-1A are given in figure 2. The results of the tests on the three stages are then compared. The effect of blade height on stage efficiency is shown in Figure 3.

It is of particular interest to compare the results for the new stages with best Soviet and foreign practice. Therefore, a detailed investigation was made of a two-row stage, type Nr 113, manufactured by the LKZ. The dimensions and clearances of stages KS-1A-3 and stage Nr 113 are given in dimensioned sketches, figure 4. Test results for stage nr 113 with full steam supply are given in Figure 5. The maximum internal efficiency was 71%; the total mean reaction of the stage, plotted in Figure 6, is in practically linear relationship with the velocity ratio and increases with increase of the heat drop on the stage. The steam consumption of stage nr 113 is plotted in figure 7.

Tests were also made with different axial gaps. When the axial gap between the outlet edge of the nozzle and the inlet edges of the working blades of the first row is altered from 2.5 to 5.5 mm, the stage efficiency falls, as shown in Figure 8. The tests were made with the radial and all other axial gaps constant.

Card2/5